mise

Tool versions, env and tasks

CONCEPTS

mise manages tool versions, env variables and tasks from one mise.toml per project. Commit it so everyone gets the same setup.

mise.toml [tools] [env] [tasks]
↓ mise install
Installed tools in the mise data dir
↓ activate or shims
PATH + env per directory
↓ mise run
Tasks run with these tools

What mise does in a project

Activation (mise activate in your shell rc) updates PATH on every prompt. Shims suit IDEs and scripts that skip rc files; mise exec and mise run need neither.

Config with [env], hooks or templates loads only once trusted. mise use, set, install, exec and run trust it for you; for a cloned repo read it, then mise trust.

INSTALL AND ACTIVATE

curl -fsSL https://mise.run | sh
Install mise to ~/.local/bin

eval "$(mise activate bash)"
Activate in bash (put in ~/.bashrc)

eval "$(mise activate zsh)"
Activate in zsh (put in ~/.zshrc)

mise activate fish | source
Activate in fish (config.fish)

TOOLS

mise use *<tool>@<version>*
Install and add to mise.toml

mise use -g *<tool>@<version>*
Same, in the global config

mise install
Install every tool the config lists

mise ls
List installed and active tools

mise ls-remote *<tool>*
Versions available to install

TOOLS (cont.)

mise upgrade
Upgrade within configured ranges

RUNNING WITH TOOLS

mise exec *<tool>@<version>* **--** *<cmd>*
Run a command with that tool

mise x -- *<cmd>*
Run with the project's tools and env

mise shell *<tool>@<version>*
Use a version in this shell only

ENVIRONMENT

mise set *<KEY>=<value>*
Set a variable in mise.toml

TASKS

mise run *<task>*
Run a task and its dependencies

mise *<task>*
Shorthand for mise run <task>

mise tasks
List tasks

Task fields in [tasks.<name>]

Field	Effect
`run`	Command, or array run in order
`description`	Shown in mise tasks
`depends`	Tasks that must succeed first
`alias`	Short name for mise run
`dir`	Working directory
`env`	Variables for this task only
`sources / outputs`	Skip when outputs are current
`hide`	Hide from the list, still runnable
`confirm`	Ask before running

CONFIG AND TRUST

mise trust
Trust the nearest untrusted config

mise doctor
Check the setup for problems